

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|---|--|------------------|---------|---------------------|
| S1 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/24 13:22 |
| S2 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/24 13:22 |
| S3 | 2751 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/24 13:22 |
| S4 | 2 | S3 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/24 13:24 |
| S5 | 124383 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/24 13:24 |
| S6 | 3 | S5 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/24 13:25 |
| S7 | 140 | S5 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/24 13:25 |
| S8 | 5 | S5 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/24 13:26 |
| S9 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/24 13:27 |
| S10 | 112 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/25 06:47 |
| S11 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:08 |
| S12 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:08 |
| S13 | 2751 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:08 |
| S14 | 2 | S13 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:08 |

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|-----|--------|---|--|----|----|---------------------|
| S15 | 124405 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:14 |
| S16 | 3 | S15 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:08 |
| S17 | 140 | S15 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:08 |
| S18 | 5 | S15 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:08 |
| S19 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:08 |
| S20 | 112 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:08 |
| S21 | 3 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:12 |
| S22 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:13 |
| S23 | 124408 | S13 or S15 or S11 or S22 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:22 |
| S24 | 168 | S23 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:25 |
| S25 | 78 | S23 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:25 |
| S26 | 2 | S25 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:29 |
| S27 | 1957 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:29 |

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| S28 | 64 | S27 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:38 |
| S29 | 3 | S27 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:38 |
| S30 | 3 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:39 |
| S31 | 4 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:39 |
| S32 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:40 |
| S33 | 26 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:40 |
| S34 | 5 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/08/30 09:40 |
| S35 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:02 |
| S36 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S37 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S38 | 2807 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S39 | 2 | S38 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S40 | 126916 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S41 | 3 | S40 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S42 | 158 | S40 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S43 | 5 | S40 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |

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|-----|--------|---|------------------------------------|----|----|------------------|
| S44 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S45 | 127 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S46 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S47 | 2807 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S48 | 126916 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S49 | 158 | S48 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S50 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S51 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S52 | 2 | S47 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S53 | 3 | S48 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S54 | 5 | S48 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S55 | 127 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S56 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S57 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S58 | 126919 | S47 or S48 or S51 or S57 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |

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| S59 | 189 | S58 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S60 | 93 | S58 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S61 | 2 | S60 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S62 | 2269 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S63 | 75 | S62 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S64 | 4 | S62 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S65 | 4 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S66 | 5 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S67 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S68 | 26 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S69 | 5 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/21 10:03 |
| S70 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S71 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |

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| S72 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S73 | 2 | S72 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S74 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S75 | 3 | S74 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S76 | 172 | S74 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S77 | 6 | S74 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S78 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S79 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S80 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S81 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S82 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S83 | 2 | S82 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S84 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S85 | 3 | S84 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S86 | 172 | S84 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S87 | 6 | S84 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |

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|------|--------|---|------------------------------------|----|----|------------------|
| S88 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S89 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S90 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S91 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S92 | 128847 | S82 or S84 or S80 or S91 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S93 | 204 | S92 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S94 | 103 | S92 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S95 | 2 | S94 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S96 | 2562 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S97 | 85 | S96 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S98 | 5 | S96 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S99 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S100 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |

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| S101 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S102 | 28 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S103 | 6 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S104 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S105 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S106 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S107 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S108 | 2 | S107 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S109 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S110 | 3 | S109 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S111 | 172 | S109 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S112 | 6 | S109 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S113 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S114 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S115 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S116 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |

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| S117 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S118 | 172 | S117 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S119 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S120 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S121 | 2 | S116 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S122 | 3 | S117 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S123 | 6 | S117 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S124 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S125 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S126 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S127 | 128847 | S116 or S117 or S120 or S126 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S128 | 204 | S127 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S129 | 103 | S127 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S130 | 2 | S129 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |

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|------|------|---|------------------------------------|----|----|------------------|
| S131 | 2562 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S132 | 85 | S131 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S133 | 5 | S131 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S134 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S135 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S136 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S137 | 28 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S138 | 6 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:30 |
| S139 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 05:31 |
| S140 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 08:19 |
| S141 | 0 | organosilane.ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 09:18 |
| S142 | 1162 | organosilane.ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 09:19 |
| S143 | 2 | "5322075".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:33 |
| S144 | 1 | "5322075".pn. and sol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:35 |
| S145 | 3729 | (conductive or conductor) with (silane or organosilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:38 |

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| S146 | 53 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:39 |
| S147 | 2 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) and (alkyl-alkoxysilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:40 |
| S148 | 4 | (conductive or conductor) with (sol or gel or sol-gel) and (alkyl-alkoxysilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:41 |
| S149 | 4 | (conductive or conductor) with (organosilane) with (sol or gel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:42 |
| S150 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:43 |
| S151 | 0 | S150 and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:43 |
| S152 | 2 | S150 and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:43 |
| S153 | 6 | alkyl-alkoxysilane and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:44 |
| S154 | 5 | alkyl-alkoxysilane with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:50 |
| S155 | 5 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:51 |
| S156 | 277 | (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:53 |
| S157 | 43 | metal with (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:53 |

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| S158 | 10 | metal with (organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 09:54 |
| S159 | 4 | "4882466".pn. or "5151824".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 10:19 |
| S160 | 4 | heating near element and alkyl adj alkoxysilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 10:20 |
| S161 | 1 | "5322075".pn. and sol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 10:45 |
| S162 | 1 | "5322075".pn. and aluminum | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 10:53 |
| S163 | 1 | "5908585".pn. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 10:56 |
| S164 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S165 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S166 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S167 | 2 | S166 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S168 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S169 | 3 | S168 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S170 | 172 | S168 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S171 | 6 | S168 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S172 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S173 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |

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|------|--------|---|--|----|----|---------------------|
| S174 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S175 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S176 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S177 | 2 | S176 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S178 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S179 | 3 | S178 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S180 | 172 | S178 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S181 | 6 | S178 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S182 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S183 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S184 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S185 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S186 | 128847 | S176 or S178 or S174 or S185 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S187 | 204 | S186 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S188 | 103 | S186 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |

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|------|------|---|------------------------------------|----|----|------------------|
| S189 | 2 | S188 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S190 | 2562 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S191 | 85 | S190 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S192 | 5 | S190 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S193 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S194 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S195 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S196 | 28 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S197 | 6 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S198 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S199 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S200 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S201 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S202 | 2 | S201 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |

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|------|--------|---|--|----|----|---------------------|
| S203 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S204 | 3 | S203 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S205 | 172 | S203 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S206 | 6 | S203 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S207 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S208 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S209 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S210 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S211 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S212 | 172 | S211 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S213 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S214 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S215 | 2 | S210 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S216 | 3 | S211 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S217 | 6 | S211 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S218 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |

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|------|--------|---|------------------------------------|----|----|---------------------|
| S219 | 4 | (clossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S220 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S221 | 128847 | S210 or S211 or S214 or S220 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S222 | 204 | S221 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S223 | 103 | S221 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S224 | 2 | S223 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S225 | 2562 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S226 | 85 | S225 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S227 | 5 | S225 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S228 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S229 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S230 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S231 | 28 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |

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| S232 | 6 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S233 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S234 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S235 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S236 | 2 | S235 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S237 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S238 | 3 | S237 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S239 | 172 | S237 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S240 | 6 | S237 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S241 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S242 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S243 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S244 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S245 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S246 | 2 | S245 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S247 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |

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|------|--------|---|------------------------------------|----|----|---------------------|
| S248 | 3 | S247 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S249 | 172 | S247 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S250 | 6 | S247 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S251 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S252 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S253 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S254 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S255 | 128847 | S245 or S247 or S243 or S254 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S256 | 204 | S255 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S257 | 103 | S255 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S258 | 2 | S257 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S259 | 2562 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S260 | 85 | S259 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |

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|------|--------|--|------------------------------------|----|----|---------------------|
| S261 | 5 | S259 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S262 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S263 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S264 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S265 | 28 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S266 | 6 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S267 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S268 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S269 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S270 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S271 | 2 | S270 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S272 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S273 | 3 | S272 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S274 | 172 | S272 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S275 | 6 | S272 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S276 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |

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|------|--------|--|------------------------------------|----|----|---------------------|
| S277 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S278 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S279 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S280 | 128844 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S281 | 172 | S280 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S282 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S283 | 2 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S284 | 2 | S279 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S285 | 3 | S280 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S286 | 6 | S280 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S287 | 142 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S288 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S289 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S290 | 128847 | S279 or S280 or S283 or S289 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S291 | 204 | S290 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |

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| S292 | 103 | S290 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S293 | 2 | S292 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S294 | 2562 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S295 | 85 | S294 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S296 | 5 | S294 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S297 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S298 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S299 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S300 | 28 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S301 | 6 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S302 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S303 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S304 | 0 | organosilane.ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S305 | 1164 | organosilane.ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |

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| S306 | 2 | "5322075".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S307 | 1 | "5322075".pn. and sol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S308 | 3729 | (conductive or conductor) with (silane or organosilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S309 | 53 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S310 | 2 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) and (alkyl-alkoxysilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S311 | 4 | (conductive or conductor) with (sol or gel or sol-gel) and (alkyl-alkoxysilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S312 | 4 | (conductive or conductor) with (organosilane) with (sol or gel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S313 | 2863 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S314 | 0 | S313 and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S315 | 2 | S313 and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S316 | 6 | alkyl-alkoxysilane and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S317 | 5 | alkyl-alkoxysilane with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |

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| S318 | 5 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S319 | 277 | (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S320 | 43 | metal with (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S321 | 10 | metal with (organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S322 | 4 | "4882466".pn. or "5151824".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S323 | 4 | heating near element and alkyl adj alkoxy silane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S324 | 1 | "5322075".pn. and sol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S325 | 1 | "5322075".pn. and aluminum | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S326 | 1 | "5908585".pn. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/28 11:00 |
| S327 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S328 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S329 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S330 | 2 | S329 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S331 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |

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| S332 | 4 | S331 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S333 | 189 | S331 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S334 | 7 | S331 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S335 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S336 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S337 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S338 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S339 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S340 | 2 | S339 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S341 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S342 | 4 | S341 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S343 | 189 | S341 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S344 | 7 | S341 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S345 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S346 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S347 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |

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| S348 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S349 | 131247 | S339 or S341 or S337 or S348 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S350 | 221 | S349 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S351 | 114 | S349 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S352 | 2 | S351 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol- gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S353 | 2893 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S354 | 95 | S353 and "hybrid sol- gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S355 | 5 | S353 and "hybrid sol- gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S356 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S357 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S358 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S359 | 32 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S360 | 7 | "219"/\$.ccls. and organosilane and sol- gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |

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| S361 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S362 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S363 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S364 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S365 | 2 | S364 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S366 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S367 | 4 | S366 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S368 | 189 | S366 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S369 | 7 | S366 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S370 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:19 |
| S371 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S372 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S373 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S374 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S375 | 189 | S374 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S376 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S377 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S378 | 2 | S373 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S379 | 4 | S374 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S380 | 7 | S374 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S381 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S382 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S383 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S384 | 131247 | S373 or S374 or S377 or S383 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S385 | 221 | S384 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S386 | 114 | S384 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S387 | 2 | S386 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol- gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S388 | 2893 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S389 | 95 | S388 and "hybrid sol- gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S390 | 5 | S388 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S391 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S392 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S393 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S394 | 32 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S395 | 7 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S396 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S397 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S398 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S399 | 2 | S398 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S400 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S401 | 4 | S400 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S402 | 189 | S400 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S403 | 7 | S400 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S404 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S405 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S406 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S407 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S408 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S409 | 2 | S408 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S410 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S411 | 4 | S410 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S412 | 189 | S410 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S413 | 7 | S410 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S414 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S415 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S416 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S417 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S418 | 131247 | S408 or S410 or S406 or S417 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S419 | 221 | S418 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S420 | 114 | S418 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S421 | 2 | S420 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S422 | 2893 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S423 | 95 | S422 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S424 | 5 | S422 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S425 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S426 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S427 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S428 | 32 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S429 | 7 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S430 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S431 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S432 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S433 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S434 | 2 | S433 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S435 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S436 | 4 | S435 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S437 | 189 | S435 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S438 | 7 | S435 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S439 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S440 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S441 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S442 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S443 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S444 | 189 | S443 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S445 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S446 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S447 | 2 | S442 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S448 | 4 | S443 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S449 | 7 | S443 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S450 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S451 | 4 | (clossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S452 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S453 | 131247 | S442 or S443 or S446 or S452 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S454 | 221 | S453 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S455 | 114 | S453 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S456 | 2 | S455 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S457 | 2893 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S458 | 95 | S457 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S459 | 5 | S457 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S460 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S461 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S462 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S463 | 32 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S464 | 7 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S465 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S466 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S467 | 0 | organosilane.ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S468 | 1289 | organosilane.ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S469 | 2 | "5322075".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S470 | 1 | "5322075".pn. and sol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S471 | 4113 | (conductive or conductor) with (silane or organosilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S472 | 60 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S473 | 2 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) and (alkyl-alkoxysilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S474 | 4 | (conductive or conductor) with (sol or gel or sol-gel) and (alkyl-alkoxysilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S475 | 6 | (conductive or conductor) with (organosilane) with (sol or gel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S476 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S477 | 0 | S476 and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S478 | 2 | S476 and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S479 | 6 | alkyl-alkoxysilane and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S480 | 5 | alkyl-alkoxysilane with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S481 | 5 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S482 | 331 | (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S483 | 54 | metal with (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S484 | 12 | metal with (organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S485 | 4 | "4882466".pn. or "5151824".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S486 | 4 | heating near element and alkyl adj alkoxysilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S487 | 1 | "5322075".pn. and sol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S488 | 1 | "5322075".pn. and aluminum | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S489 | 1 | "5908585".pn. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S490 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S491 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S492 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S493 | 2 | S492 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S494 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S495 | 4 | S494 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S496 | 189 | S494 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S497 | 7 | S494 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S498 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S499 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S500 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S501 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S502 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S503 | 2 | S502 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S504 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S505 | 4 | S504 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S506 | 189 | S504 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S507 | 7 | S504 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S508 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S509 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S510 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S511 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S512 | 131247 | S502 or S504 or S500 or S511 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S513 | 221 | S512 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S514 | 114 | S512 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S515 | 2 | S514 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S516 | 2893 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S517 | 95 | S516 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S518 | 5 | S516 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S519 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S520 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S521 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S522 | 32 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S523 | 7 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S524 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S525 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S526 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S527 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S528 | 2 | S527 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S529 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S530 | 4 | S529 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S531 | 189 | S529 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S532 | 7 | S529 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S533 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S534 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S535 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S536 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S537 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S538 | 189 | S537 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S539 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S540 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S541 | 2 | S536 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S542 | 4 | S537 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S543 | 7 | S537 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S544 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S545 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S546 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S547 | 131247 | S536 or S537 or S540 or S546 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S548 | 221 | S547 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S549 | 114 | S547 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S550 | 2 | S549 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S551 | 2893 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S552 | 95 | S551 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S553 | 5 | S551 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S554 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S555 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S556 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S557 | 32 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S558 | 7 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S559 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S560 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S561 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S562 | 2 | S561 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S563 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S564 | 4 | S563 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S565 | 189 | S563 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S566 | 7 | S563 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S567 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S568 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S569 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S570 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S571 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S572 | 2 | S571 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S573 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S574 | 4 | S573 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S575 | 189 | S573 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S576 | 7 | S573 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S577 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S578 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S579 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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|------|--------|---|--|----|----|---------------------|
| S580 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S581 | 131247 | S571 or S573 or S569 or S580 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S582 | 221 | S581 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S583 | 114 | S581 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S584 | 2 | S583 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S585 | 2893 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S586 | 95 | S585 and "hybrid sol-gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S587 | 5 | S585 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S588 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S589 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S590 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S591 | 32 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S592 | 7 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S593 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S594 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S595 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S596 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S597 | 2 | S596 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S598 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S599 | 4 | S598 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S600 | 189 | S598 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S601 | 7 | S598 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S602 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S603 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S604 | 0 | 219543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S605 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S606 | 131243 | "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S607 | 189 | S606 and (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S608 | 0 | (solgel or sol-gel) and organosilane with conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S609 | 3 | "4157321".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S610 | 2 | S605 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S611 | 4 | S606 and hybrid with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S612 | 7 | S606 and (solgel or sol-gel) and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S613 | 163 | (solgel or sol-gel) and organosilane and conductor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S614 | 4 | (crossen and werkman and boehmer and lee and tan).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S615 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S616 | 131247 | S605 or S606 or S609 or S615 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S617 | 221 | S616 and (heat or heater or heating) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S618 | 114 | S616 and (heat or heater or heating) with (conductive or conduct) and (sol-gel or sol with gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S619 | 2 | S618 and (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol- gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S620 | 2893 | (hybrid or non with hybrid or non-hybrid or nonhybrid) with (sol or gel or solgel or sol-gel) and (heat or heater or heating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S621 | 95 | S620 and "hybrid sol- gel" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S622 | 5 | S620 and "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S623 | 6 | "hybrid sol-gel" with precursor with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S624 | 8 | "hybrid sol-gel" with organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S625 | 1 | "hybrid sol-gel" and "219"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S626 | 32 | "219"/\$.ccls. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S627 | 7 | "219"/\$.ccls. and organosilane and sol-gel | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S628 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S629 | 2 | "4920254".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S630 | 0 | organosilane.ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S631 | 1289 | organosilane.ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S632 | 2 | "5322075".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S633 | 1 | "5322075".pn. and sol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S634 | 4113 | (conductive or conductor) with (silane or organosilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S635 | 60 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S636 | 2 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) and (alkyl-alkoxysilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S637 | 4 | (conductive or conductor) with (sol or gel or sol-gel) and (alkyl-alkoxysilane) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S638 | 6 | (conductive or conductor) with (organosilane) with (sol or gel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S639 | 2914 | 219/543-544.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S640 | 0 | S639 and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S641 | 2 | S639 and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S642 | 6 | alkyl-alkoxysilane and precursor with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S643 | 5 | alkyl-alkoxysilane with (solgel or sol-gel) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S644 | 5 | (conductive or conductor) with (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S645 | 331 | (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S646 | 54 | metal with (silane or organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S647 | 12 | metal with (organosilane) with (sol or gel or sol-gel) with precursor | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |

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| S648 | 4 | "4882466".pn. or "5151824".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S649 | 4 | heating near element and alkyl adj alkoxysilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S650 | 1 | "5322075".pn. and sol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S651 | 1 | "5322075".pn. and aluminum | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S652 | 1 | "5908585".pn. and organosilane | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:20 |
| S653 | 3 | "02072495" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:21 |
| S654 | 3 | "02072495" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:26 |
| S655 | 3 | "02085072" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/06 10:29 |

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